## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

PATRICK A. HELLANDBRAND,

JR. et al.

GRID INSERT FOR THE LOWERMOST

GRID IN A FUEL ASSEMBLY

Filed: Herewith : Attorney Docket No.: ARF2004-004

## **INFORMATION DISCLOSURE STATEMENT**

April 7, 2004

Commissioner for Patents MAIL STOP PATENT APPLICATION P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

Pursuant to the provisions of 37 CFR Sections 1.56, 1.97 and 1.98, Applicants submit herewith copies of the documents cited on the attached form PTO/SB/08B for consideration during prosecution of the subject Application.

Additional background information is discussed in the specification under the heading "Background Information."

This Statement is filed solely for the purpose of complying with the pertinent rules of the Office and is not intended to be a substitute for an independent evaluation by the examiner of the art cited or an independent search by the examiner, and no representation of any nature is made or intended by the filing of this Statement.

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Respectfully submitted,
William F. lang A

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			01.001155	Application Number			
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STA	TEMENT	BY AF	PPLICANT	First Named Inventor	Patrick A. Hellandbrand, Jr.		
				Group Art Unit			
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	U.S. PATENT DOCUMENTS								
Examiner Cite		Number .	ument d Code² known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear			
	Α	4,659,542		J. S. Kerrey	04/21/1987				
	В	4,576,786		E. E. DeMario	03/18/1986				
	С	4,692,302		E. E. DeMario et al.	09/08/1987				
	D	4,709,909		R. Duncan et al.	12/01/1987				
	E	4,980,121		E. Roberts et al.	12/25/1990				
	F	5,303,276		E. E. DeMario et al.	04/12/1994				
	G	5,444,748		P. H. Beuchel et al.	08/22/1995				
	I	6,385,271		O. Nylund	05/07/2002				
		6,415,011		S. Helmersson	07/02/2002				
	J	6,526,116		Q. M. Nguyen et al.	02/25/2003				
	K	6,606,369		L. D. Smith, III et al.	08/12/2003				
	L	6,650,723		H. Kang et al.	11/18/2003				
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FOREIGN PATENT DOCUMENTS								
Examiner Cite Initials No.	Cite	F	oreign Patent Do		Name of Patentee or	Date of Publication of	Pages, Columns, Lines, Where Relevant	
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